SEPA ENVIRONMENTAL CHECKLIST

Purpose of checklist:

Governmental agencies use this checklist to help determine whether the environmental impacts of your proposal are significant. This information is also helpful to determine if available avoidance, minimization or compensatory mitigation measures will address the probable significant impacts or if an environmental impact statement will be prepared to further analyze the proposal.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Please answer each question accurately and carefully, to the best of your knowledge. You may need to consult with an agency specialist or private consultant for some questions. You may use "not applicable" or "does not apply" only when you can explain why it does not apply and not when the answer is unknown. You may also attach or incorporate by reference additional studies reports. Complete and accurate answers to these questions often avoid delays with the SEPA process as well as later in the decision-making process.

The checklist questions apply to <u>all parts of your proposal</u>, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Instructions for Lead Agencies:

Please adjust the format of this template as needed. Additional information may be necessary to evaluate the existing environment, all interrelated aspects of the proposal and an analysis of adverse impacts. The checklist is considered the first but not necessarily the only source of information needed to make an adequate threshold determination. Once a threshold determination is made, the lead agency is responsible for the completeness and accuracy of the checklist and other supporting documents.

Use of checklist for nonproject proposals: [help]

For nonproject proposals (such as ordinances, regulations, plans and programs), complete the applicable parts of sections A and B plus the <u>SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D)</u>. Please completely answer all questions that apply and note that the words "project," "applicant," and "property or site" should be read as "proposal," "proponent," and "affected geographic area," respectively. The lead agency may exclude (for non-projects) questions in Part B - Environmental Elements –that do not contribute meaningfully to the analysis of the proposal.

A. Background [help]

1. Name of proposed project, if applicable: [help]

Dungeness Hatchery Intake

2. Name of applicant: [help]

Washington Department of Fish and Wildlife

3. Address and phone number of applicant and contact person: [help]

WDFW 600 Capital Way North Olympia, WA 98501

Contact: Marty Peoples

4. Date checklist prepared: [help]

January 8, 2019

5. Agency requesting checklist: [help]

Washington Department of Fish and Wildlife

6. Proposed timing or schedule (including phasing, if applicable): [help]

Begin construction in summer/fall of 2019.

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain. [help]

No plans are in place for additional projects.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal. [help]

A biological evaluation will be prepared for this project.

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain. [help]

No other applications are pending.

10. List any government approvals or permits that will be needed for your proposal, if known. [help]

Permits and approvals will include a Clallam County Shoreline Permit, a WDFW Hydraulics Permit (HPA) and a U.S. Army Corps of Engineers Permit. Other permits may be required and will be obtained as required.

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.) [help]

The Dungeness Hatchery currently has two separate intakes withdrawing water from the Dungeness River. One intake is shared with the Agnew Irrigation District while the second intake is operated solely by WDFW. Neither of these intakes are compliant with new NOAA fish screening standards. WDFW proposes to construct a new intake that will distribute water between the Agnew Irrigation District and WDFW in accordance to existing water rights. This new intake will be compliant with NMFS fish screening criteria and require less maintenance. Both of the existing intakes will be discontinue use and be removed or modified to route all water to the new intake. The specific components of this project are;

- Isolate work area from the Dungeness River by installing a super sack coffer dam. This area
 will be swept with a seine net to herd fish out of the work area prior to coffer dam placement.
 Dewater construction area and perform necessary fish removal measures as necessary during
 dewatering.
- Demolish existing intake serving WDFW only. This will involve removing concrete walls, floor and piping within a 10 foot by 20 foot area. The concrete lined water channel feeding the intake will be left in place and filled with excess material. Water will be shut-off from this area by permanently closing a water gate.
- 3. Demolish 10 by 14 foot mechanical building located within the footprint of new intake. Remove inner equipment, building and concrete slab. Ground disturbance to a depth a 2 feet will occur.
- 4. Construct a new intake. Install concrete forms and pour in place. Remove forms and allow concrete to cure for a minimum of seven days before exposure to water. Construct intake building and install inner components.
- 5. Install a new 60 inch water conveyance pipe connecting the head gate structure to the new intake. This pipe will be 90 feet long and installed to a depth of two feet. All ground disturbance for this installation will occur within previously place fill for the road bed.
- 6. Connect the new intake to the existing 60 inch Agnew/WDFW supply pipe and existing WDFW 24 inch supply pipe. These connections will be made using one outlet pipe from the new intake. Excavation to a depth of 2 feet will be made within the road bed for this pipe placement and connections.
- 7. Replant disturbed areas with native vegetation.
- 12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and

range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist. [help]

The project address the 121 Fish Hatchery Road, Sequim, WA, 98382. It is located within Clallam County. It is within Section 12, Township 29N, Range 4W, parcel number 04-29-12-24-0000. The geographic coordinates are 48.0218 N lat / -123.1348 W.

Legal Description: SENW EXC TX #7585 & EASE & EXC PT TX #7583 & EXC CO RD R/W SURV V5 P58 36.15A

Driving Directions: From Sequim go west on Highway 101 for approximately 1 mile to the Taylor Cutoff Road. Turn left and proceed 2.6 miles to Fish Hatchery Road. Turn left on Fish Hatchery Road and proceed 1.3 miles to the Dungeness Hatchery.

B. ENVIRONMENTAL ELEMENTS [help]

1.	Earth [help]	
a.	General description of the site: [help]	
(ci	cle one): Flat, rolling, <u>hilly</u> , steep slopes, mountainous, other	

b. What is the steepest slope on the site (approximate percent slope)? [help]

The steepest slope is 15%.

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils. [help]

The soil is classified as Louella gravelly loam, 30% to 60% slopes.

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe. [help]

There are no indications of unstable soils.

e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill. [help]

Cut: The old intake will be removed and debris hauled offsite. The site for the new intake will excavated and material stockpiled for backfill and bank armoring. Excess material will be hauled to a landfill. Total excavated material below OHW will be 200 cubic yards.

Fill: Concrete will be poured and cured onsite. Backfill and bank armoring material will salvaged from excavated materials. There will be 95 cubic yards of fill (concrete 82.6 CY, back fill 4.8 CY, bank armoring 6.9 CY, steel components .5 CY) below OHW.

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe. [help]

No erosion is anticipated. Erosion control measures will be in place to prevent sediment delivery to streams.

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)? [help]

There will be no increase in impervious surface at this site.

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any: [help]

No erosion is anticipated. BMP's will be in place to prevent sediment from reaching surface waters during possible rainfall events.

2. Air [help]

a. What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known. [help]

Vehicle exhaust and dust from construction is expected. No long-term change in emissions is expected from the completed project.

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe. [help]

No.

c. Proposed measures to reduce or control emissions or other impacts to air, if any: [help]

Equipment will be inspected daily and kept in good working conditions in an effort to reduce emissions.

- 3. Water [help]
- a. Surface Water:
 - 1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into. [help]

The Dungeness River is located within the project site.

2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans. [help]

Project work will occur within surface waters and is described in attached plans.

3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material. [help]

There will be 95 cubic yards of fill (concrete 82.6 CY, back fill 4.8 CY, bank armoring 6.9 CY, steel components .5 CY) below OHW.

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known. [help]

Current surface water diversions will not be changed and will be remain within existing water rights allowances.

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan. [help]

The project area lies within the 100 year floodplain.

6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge. [help]

No waste materials will be discharged.

b. Ground Water:

1) Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known. [help]

No groundwater will be withdrawn as part of this project.

2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals. . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve. [help]

No waste materials will be discharged.

c. Water runoff (including stormwater):

1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe. [help]

Temporary storm water impacts during construction may occur from rainfall events and will be contained within BMP's to prevent discharge to surface waters.

2) Could waste materials enter ground or surface waters? If so, generally describe. [help]

Surface and ground waters will be protected through use of BMP's. Waste materials will not be used and will not enter surface waters.

3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe. [help]

Drainage patterns will not be altered.

d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any: [help]

Erosion control measures will be in place to reduce and treat runoff water.

4.	Plants	he	ln1	ĺ
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 a. Check the types of vegetation found on the site: [help]
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X	_deciduous tree: alder, maple, aspen, other
<u>X</u> _	_evergreen tree: fir, cedar, pine, other
<u>_X_</u>	_shrubs
X	_grass
	_pasture
	_crop or grain
	Orchards, vineyards or other permanent crops.
	wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other
	_water plants: water lily, eelgrass, milfoil, other
	other types of vegetation

b. What kind and amount of vegetation will be removed or altered? [help]

No vegetation will be altered or removed.

c. List threatened and endangered species known to be on or near the site. [help]

No threatened or endangered are listed as occuring in areas close to this site.

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any: [help]

No landscaping is being proposed.

e. List all noxious weeds and invasive species known to be on or near the site. [help]

No infestations are known to occur at this site.

- 5. Animals [help]
- a. <u>List</u> any birds and <u>other</u> animals which have been observed on or near the site or are known to be on or near the site. [help]

Examples include:

birds: <a href="https://heron.pink.nih.google-

b. List any threatened and endangered species known to be on or near the site. [help]

Bull trout (Salvelinus confluentus), Marbled murrelet (Brachyramphus marmoratus), and Northern spotted owl (Strix occidentalis caurina) are listed by USFWS as occurring in Clallam County.

Puget Sound Chinook (Onchorhynchus tshawytscha), Puget Sound Steelhead (Onchorhynchus mykiss), and Southern Resident Killer Whale (Orcinus orca) are listed in this area by NMFS.

E

c. Is the site part of a migration route? If so, explain. [help]

Waterfowl and salmon species use this area as part of a migration route.

d. Proposed measures to preserve or enhance wildlife, if any: [help]

To preserve fish resources, WDFW will schedule this project during periods of minimal use by fish species to avoid any harmful impacts upon fish.

e. List any invasive animal species known to be on or near the site. [help]

No known invasive animal species inhabit this site.

- 6. Energy and Natural Resources [help]
- a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc. [help]

Electricity will be used at the site to power tools and equipment within the intake building.

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe. [help]

This project will not affect solar energy use.

c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any: [help]

No energy conservation features are scheduled or needed.

- 7. Environmental Health [help]
- a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe. [help]

Materials likely to be present include gasoline, diesel fuel, hydraulic fluid and lubricants. An accidental spill of one these products could occur during project operations.

Describe any known or possible contamination at the site from present or past uses.
 [help]

There are no known contaminants from present or past uses at the site.

 Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity. [help]

No hazardous chemicals are known that would affect this project.

3) Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project. [help]

No toxic chemicals will be used.

4) Describe special emergency services that might be required. [help]

None anticipated.

5) Proposed measures to reduce or control environmental health hazards, if any: [help]

A spill prevention and pollution control plan will be prepared by WDFW project engineers to reduce risk of spills and to provide guidance if a spill occurs. Environmental health hazards

are not expected as a result of this project. Only approved construction equipment and materials will be used in construction of this project.

b. Noise [help]

1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)? [help]

None.

2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site. [help]

Short term noise levels will increase during construction from equipment use. Long term noise levels will remain unchanged.

3) Proposed measures to reduce or control noise impacts, if any: [help]

Increased levels of noise during construction activities are expected from this project. Hours of increased noise levels will be 7am to 5pm. No change in noise level is expected from the completed project.

8. Land and Shoreline Use [help]

a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe. [help]

This site will is used as part of a state fish hatchery. Adjacent properties include undeveloped areas, agricultural land, and home sites.

b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use? [help]

This site has not been used as working farmland or forest lands.

1) Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how: [help]

No effect anticipated.

c. Describe any structures on the site. [help]

These site has a mechanical building, two intakes, and an above ground 60 inch concrete pipe.

d. Will any structures be demolished? If so, what? [help]

The mechanical building and one intake will be demolished.

e. What is the current zoning classification of the site? [help]

Rural

f. What is the current comprehensive plan designation of the site? [help]

Rural

g. If applicable, what is the current shoreline master program designation of the site? [help]

Rural

h. Has any part of the site been classified as a critical area by the city or county? If so, specify. [help]

This area is listed as a critical area under the listing of erosion.

i. Approximately how many people would reside or work in the completed project? [help]

No staff reside at this site or work here on a full time basis.

j. Approximately how many people would the completed project displace? [help]

None.

k. Proposed measures to avoid or reduce displacement impacts, if any: [help]

No impacts are anticipated.

L. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any: [help]

Clallam County will be consulted to ensure consistency with current land uses.

m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any: [help]

No impacts are anticipated.

9. Housing [help]

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing. [help]

Public housing will not be affected or provided.

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing. [help]

No housing units will be eliminated.

c. Proposed measures to reduce or control housing impacts, if any: [help]

None planned.

- 10. Aesthetics [help]
- a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed? [help]

The new intake building will be 20 feet tall. The principle exterior building material is wood.

b. What views in the immediate vicinity would be altered or obstructed? [help]

No views will be affected.

c. Proposed measures to reduce or control aesthetic impacts, if any: [help]

None planned.

- 11. Light and Glare [help]
- a. What type of light or glare will the proposal produce? What time of day would it mainly occur? [help]

There will be no increase in glare.

b. Could light or glare from the finished project be a safety hazard or interfere with views? [help]

No views will be impacted by the completed project.

c. What existing off-site sources of light or glare may affect your proposal? [help]

There are no known off-site sources of light or glare that may affect the project.

d. Proposed measures to reduce or control light and glare impacts, if any: [help]

None needed or planned.

12. Recreation [help]

a. What designated and informal recreational opportunities are in the immediate vicinity? [help]

Recreational opportunities include wildlife viewing and fishing.

b. Would the proposed project displace any existing recreational uses? If so, describe. [help]

No recreational uses would be affected during the construction of this intake.

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any: [help]

Public notice will be made noting site closure during construction.

13. Historic and cultural preservation [help]

a. Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers? If so, specifically describe. [help]

There are no records of any buildings, structures, or sites, adjacent to or within 1,000 feet of the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers.

However, the main Dungeness Hatchery Building is eligible for listing in the NRHP. Some of the additional hatchery buildings and structures were evaluated in 2013 and eligibility determinations were made by DAHP in 2016 for individual buildings and structures. While over 50 years old, most of these structures were found ineligible because they did not date from the initial construction period of the hatchery. No determination of eligibility for the Dungeness Hatchery as a district has been made. In the 2013 survey, the hatchery intake was found not eligible. At that time, however, the associated building – the mechanical building – was not evaluated. An architectural historican will evaluate this building since it will be demolished and all of the associated features are over 50 years old.

b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources. [help]

Although the landscape has been identified as potentially culturally sensitive location, at this time, there are no recorded landmarks, features, or other evidence of Indian or historic use or occupation. A review of historic maps and the DAHP database did not result in the identification of any recorded archaeological features within the project area.

Subsurface shovel testing was conducted at the Dungeness Hatchery as part of a survey for the Canyon Creek Fish Ladder Project in 2013 (NADB #1683614). Two locations were shovel tested, one north of the entrance road and the other at the fish

ladder. Both locations were negative for buried cultural resources. These locations, while on the hatchery grounds, were not located near the area where native soils are expected to impacted for the current study.

c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc. [help]

The project was reviewed by the WDFW cultural resources review coordinator for the capital and asset management program (CAMP). Context for project evaluation was derived from a review of survey and site documents available on DAHP's WISAARD database, a review of DAHP's predictive model. All portions of the project lie within the areas close to waters of the state where conducting a cultural resources survey is highly advised as they are considered a high risk for containing protected cultural resources. The project area will be surveyed to clarify the expectations for intact archaeological resources and any historic above ground resources over 45 years of age.

The results of these investigations will be used to inform final project design.

Tribal consultation will be carried out with the Jamestown S'Klallam Tribe, the Lower Elwah Indian Tribe, and the Makah Indian Tribe to identify the potential for impacts to cultural resources.

d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required. [help]

The project area will be surveyed for archaeological and historical resources. The results of these investigations will be used to inform final project design.

If cultural significant features and resources are discovered during research, consultation will be carried out with affected Tribes regarding measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources.

The project will operate under WDFW's Inadvertent Discovery Plan, which provides the project proponent with a detail series of steps to follow upon the unanticipated discovery of archaeological or cultural materials

14. Transportation [help]

a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any. [help]

Fish Hatchery Road provides public access to this area.

b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop? [help]

This site is not served by public transit.

c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate? [help]

Parking spaces will not be affected.

d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private). [help]

No, the project will not impact existing roads.

e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe. [Help]

No.

f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and nonpassenger vehicles). What data or transportation models were used to make these estimates? [help]

This project will not result in any change in vehicle trips per day to this area.

g. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe. [help]

No.

h. Proposed measures to reduce or control transportation impacts, if any: [help]

None planned.

15. Public Services [help]

a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe. [help]

No.

b. Proposed measures to reduce or control direct impacts on public services, if any. [help]

No impacts are anticipated.

16. Utilities [help]

a. Circle utilities currently available at the site: [help] electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system,

	other
b.	Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed. [help]
	No change in utilities is proposed.

C. Signature [help]

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: _	Yartin Cooples	
Name of signee	Martin Peoples	
Position and Age	ency/Organization <u>Biologist</u>	
	3/12/2019	